

WHAT IS CLAIMED IS:

1. A method for producing an image effect, applied to an image residing in an image buffer, wherein the image comprises a source image and a destination image, the method comprising the steps of:

- 5 (a) obtaining the source image through an access call-back function unit;
- (b) transferring the source image and the access call-back function unit to an image effect module ;
- (c) performing the image effect processing and the image accessing through the access call-back function unit by the image effect module;
- 10 (d) returning the destination image by the image effect module; and
- (e) receiving a plurality of pixel values of the destination image through the access call-back unit function.

2. The method according to claim 1, wherein said step of performing the image accessing through the access call-back function unit further comprises:

- 15 (c1) creating the destination image;
- (c2) getting a plurality of pixel values of the source image after the image effect processing; and
- (c3) setting the pixel values of the source image to pixel values of the destination image

20 3. The method according to claim 2, wherein the image accessing is stopped by the image effect module after said step (c1), the method further comprises a step of deleting the destination image by the access call-back function unit.

4. The method according to claim 2, wherein after said step of (c2), the image effect module performs a calculation to produce image effect.

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5. The method according to claim 1, wherein in said step of (b), the source image and the access call-back function unit are transferred to the image effect module by way of parameters.

6. The method according to claim 5, wherein an access interface to access the 5 pixel values of the source image and the destination image residing in an image buffer is determined by a buffer manager.

7. A device for producing an image effect, applied to an image residing in an image buffer, wherein the image has a plurality of image pixel values, the device, comprising:

10 an access call-back function unit, for accessing the image pixel values;

a buffer manager, coupled to the access call-back function unit, for determining the access interface of the image pixel values;

an image effect module, receiving the image and the access call-back function unit to perform the image accessing and the calculation on the image pixel values during

15 the image effect processing.

8. The device according to claim 7, wherein the image further includes a source image and a destination image.

9. The device according to claim 8, wherein the image pixel values further include a plurality of pixel values of the source image and a plurality of the pixel values of the 20 destination image.

10. The device according to claim 7, wherein the image effect module further includes a plurality of image effect functions.

11. The device according to claim 7, wherein the source image and the access call-back function unit are both offered to the image effect module by way of parameters.

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12. The device according to claim 7, wherein when the image effect module stops the image accessing, the access call-back function unit deletes the destination image.

13. A computer readable recording medium, used to record method for producing image effects, applied to an image residing in an image buffer, wherein the 5 image comprises a source image and a destination image, the method comprising the steps of (a) obtaining the source image through an access call-back function unit;

(b) transferring the source image and the access call-back function unit to an image effect module;

10 (c) performing the image effect processing and the image accessing through the access call-back function unit by the image effect module;

(d) returning the destination image, by the image effect module; and

(e) receiving a plurality of pixel values of the destination image through the access call-back function unit.

15 14. The computer readable recording medium according to claim 13, wherein in the step of performing the image accessing through the access call-back function unit further comprises:

(c1) creating the destination image;

(c2) getting a plurality of pixel values of the source image after the image effect

20 processing; and

(c3) setting the pixel values of the source image to be the pixel values of the destination image.

15. The computer readable recording medium according to claim 14, wherein the image accessing is stopped by the image effect module after said step (c1), the method

further comprises a step of deleting the destination image by the access call-back function unit.

16. The computer readable recording medium according to claim 14, wherein after the step of (c2), the image effect module performs a calculation to produce the image
5 effect.

17. The computer readable recording medium according to claim 13, wherein in the step of (b), the source image and the access call-back function unit are transferred to the image effect module by way of parameters.

18. The computer readable recording medium according to claim 17, wherein an
10 access interface to access the pixel values of the source image and the destination image residing in an image buffer is determined by a buffer manager.

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